

K121139

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MAY - 2 2012

Covidien

AccuMesh Positioning System

#### 4.0 510(K) SUMMARY

This 510(k) summary of safety and effectiveness information is submitted in accordance with the requirements of the Safe Medical Devices Act (SMDA) of 1990. The contents of the 510(k) summary have been provided in conformance with 21 CFR §807.98.

#### Submitter Information

**Name:** Covidien  
**Address:** 15 Crosby Drive  
Bedford, MA 01730

**Establishment Registration:** 9615742

**Name of contact person:** James McMahon  
Senior Manager, Regulatory Affairs  
Covidien  
15 Crosby drive  
Bedford, MA 01730 USA  
Phone: (781) 839 1787

**Date prepared:** April 12, 2012

**Trade or proprietary name:** AccuMesh™ Positioning System

**Common or usual name:** Mesh Deployer  
**Classification name:** Mesh, Surgical, Deployer  
**Classification panel:** General and Plastic Surgery (79)

**Regulation:** 21 CFR 878.3300

**Product Code:** ORQ

#### Legally marketed devices to which equivalence is claimed:

Accumesh Positioning System (510k cleared as the PatchAssist device – K101218)  
Accumesh Positioning System PatchAssist Large (510k cleared as the PatchAssist device – K103269)

#### Reason for 510(k) submission:

To obtain market clearance on the Accumesh Positioning System with furling sleeve.

#### Device description:

The AccuMesh Positioning System is a manual laparoscopic surgical instrument which is intended to facilitate hernia mesh delivery and placement in laparoscopic ventral hernia repair. The

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AccuMesh Positioning System

AccuMesh Positioning System comprises two main sections: operation handle and deployment section which are connected via a tube. Included in the packaging configuration is a furling sleeve intended to assist the surgeons to furl the mesh tightly and rapidly over the AccuMesh positioning system.

**Intended use of the device:** Intended to be used to facilitate the delivery of soft tissue prosthetics during laparoscopic repair of soft tissue defects (e.g. hernia repair).

**Indications for use:** Indicated to facilitate the delivery of soft tissue prosthetics during laparoscopic repair of soft tissue defects (e.g. hernia repair).

**Summary comparing the technological characteristics of the subject and predicate devices:**

The proposed addition of the AccuMesh Furling Sleeve maintains the same fundamental design as the previously cleared AccuMesh (PatchAssist) device (K101218 and K103269). Both designs are intended to be used to facilitate the delivery of soft tissue prosthetics during laparoscopic repair of soft tissue defects (e.g. hernia repair).

**Performance data:**

Performance testing was conducted using sterilized samples of the proposed design of the AccuMesh Positioning System with the furling sleeve. The furling sleeve interface and compatibility with laparoscopic ports and components of the AccuMesh Positioning System were evaluated with various commercially available mesh products.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
10903 New Hampshire Avenue  
Document Control Room -WO66-G609  
Silver Spring, MD 20993-0002

Covidien  
% Mr. James McMahon  
Senior Manager, Regulatory Affairs  
15 Crosby Drive  
Bedford, Massachusetts 01730

MAY - 2 2012

Re: K121139  
Trade/Device Name: AccuMesh™ Positioning System  
Regulation Number: 21 CFR 878.3300  
Regulation Name: Surgical mesh  
Regulatory Class: II  
Product Code: ORQ  
Dated: April 13, 2012  
Received: April 16, 2012

Dear Mr. McMahon:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21

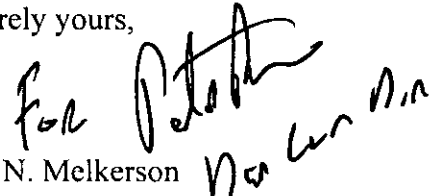
Page 2 - Mr. James McMahon

CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,

  
Mark N. Melkerson  
Director  
Division of Surgical, Orthopedic  
and Restorative Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known): K 121139

Device Name: AccuMesh™ Positioning System

Indications For Use: The AccuMesh Positioning System is intended to be used to facilitate the delivery of soft tissue prosthetics during the laparoscopic repair of soft tissue defects (e.g. hernia repair).

Prescription Use   X   AND/OR  
(Part 21 CFR 801 Subpart D)

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER  
PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

*David Krone*  
(Division Sign-Off)

Division of Surgical, Orthopedic,  
and Restorative Devices

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